RADIO CONTROLLED PROJECTION CLOCK (DCF77) WITH INDOOR THERMOMETER
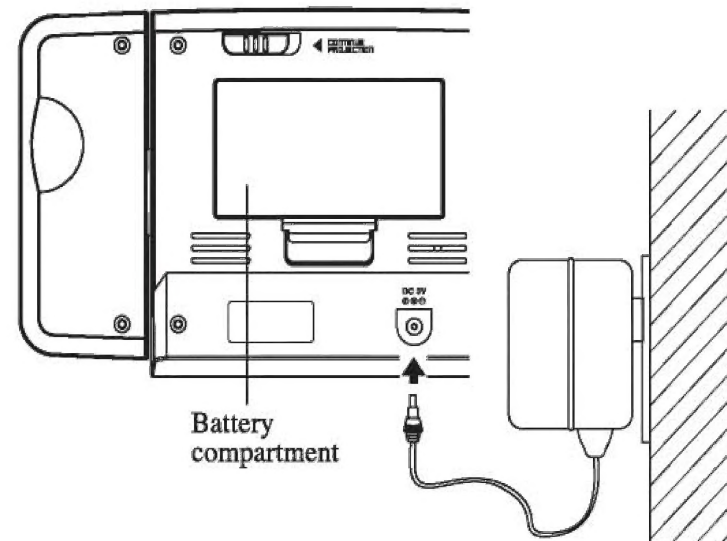
iROX

INSTRUCTION MANUAL
HB161P

Projector Lens (Time)

SNOOZE/ Backlight/ Projection Light key

Projector Lens (Temperature)

LIGHT • SNOOZE

iROX

Adjustable projector

ALARM ON/OFF key

WAVE C/°F key

MODE key

Up/Down key

Continue
Projection
key
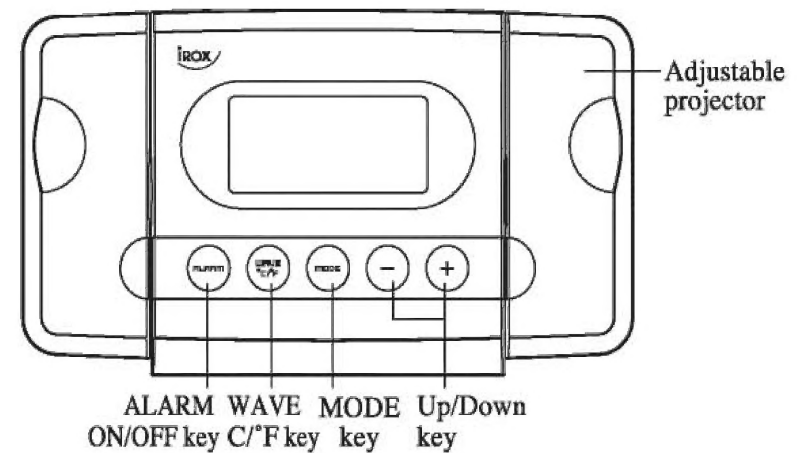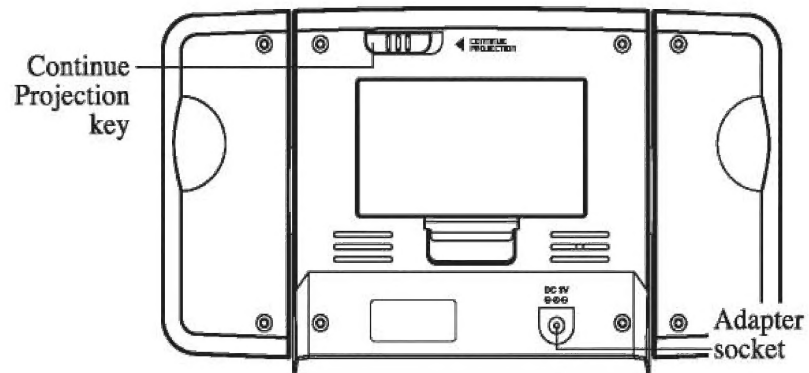
Adapter
socket

To install the AC-DC adapter for Continue Projection:-

Battery
compartment

Installation:
Use 2 x "AA", 1.5V batteries and AC-DC adapter (included).

Important:
Please make sure your household voltage matched with the voltage supported by the adapter, or it will damage your clock and adapter.

INDICATOR	STANDING FOR	INDICATOR	STANDING FOR
📡	RADIO SIGNAL	📶	RADIO SIGNAL WEAK
D	DATE	z²	REPEAT ALARM INDICATION
🄵	2nd TIME ZONE INDICATION	M	MONTH
PM	PM (12 HR DISPLAY ONLY)	🅂	SUMMER TIME INDICATION
AM	AM (12 HR DISPLAY ONLY)	℃	DEGREE CELSIUS
♉	ALARM 1	℉	DEGREE FAHRENHEIT
♉	ALARM 2	DUAL TIME	DUAL TIME

*After the batteries are installed, the LCD will turn on and beep for 1 seconds. The clock will automatically search the radio signal. It takes about 3-5 minutes to finish this process.

*If the radio signal is received, the date & time will be set automatically with radio control signal icon [📡] turns on.

*If the clock fails to receive the time signal, it will be in Time/Temperature display with the [📡] icon turns off. Then user can set the time manually.

*Radio-controlled signal will be scheduled to receive every hour.

Selecting Temperature/Alarm 1/Alarm 2/Dual time Display

*Press **MODE** will display the ALARM 1 time:

*Press **MODE** again will display the Alarm 2 time:

*Press **MODE** again will display the Dual Time:

*Press **MODE** again will display the Temperature:

Manual Time Setting

The system date and time can be set by pressing **MODE** for 3 seconds in Time/Temperature display with the [📶] icon turn off.

Setting the Time

*Press **MODE** again: the year digits are blinking and can be set by pressing "+" or "−" key.

*Press **MODE** again: the month digits are blinking and can be set by pressing "+" or "−" key.

*Press **MODE** again: the date digits is blinking and can be set by pressing "+" or "−" key.

*Press **MODE**:   the hour digits are blinking and can be set by pressing "+" or "−" key.

*Press **MODE** again: the minute digits are blinking and can be set by pressing "+" or "−" key.

*Press **MODE** one last time: the normal time display appears.

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Select 12 hour or 24 hour display format

*Press "+" will toggle the display format between 12 hour and 24 hour.

N.B.:1. If no key is pressed within 30 seconds, it will exit the Manual Time Setting Mode and go back to Time / Temperature Display with the data update.

2. During any setting mode, press and hold "+" or "−" key for 2 seconds for fast setting.

Calendar

To change the weekday display from one language to another language, press "−" key for 3 seconds - the display will show the current language (GER for German display, ENG for English display).

① "EⁿΠ" for English → ② "GE" for German → ③ "FR" for French → ④ "IT" for Italian → ⑤ "SP" for Spanish.

Press & Hold "−" key for 2 seconds will toggle to the other languages.

Setting the Alarm time

ALARM 1 setting

-In the ALARM 1 Display,

*Press **MODE** for about 3 seconds: the hour digits are blinking and can be set by pressing "+" or "−" key.

*Press **MODE** again: the minute digits are blinking and can be set by pressing "+" or "−" key.

*Press **MODE** again, the Alarm time is set and [🔔] icon will turn on.

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ALARM 2 setting

-In the ALARM2 Display,

*Press **MODE** for about 3 seconds: the hour digits are blinking and can set by pressing "+" or "−" key.

*Press MODE again: the minute digits are blinking and can be set by pressing "+" or "−" key.

*Press MODE again, the Alarm time is set and [🔔] icon will turn on.

Enable Alarm 1/Alarm 2:

* Press **ALARM ON/OFF** will enable ALARM 1 with [🔔] icon turns on.

* Press **ALARM ON/OFF** again will enable ALARM 2 with [🔔] icon turns on.

* Press **ALARM ON/OFF** again will enable both ALARM 1 and ALARM 2 with [🔔] and [🔔] icons to turn on.

* Press **ALARM ON/OFF** again will disable both ALARM 1 and ALARM 2 with [🔔] and [🔔] icons to turn off.

Activating the Alarm

When the ALARM 1/ALARM 2 is ringing, the relative alarm icon [🔔] / [🔔] will be flashing.

* Press **ALARM ON/OFF** key to turn the alarm off.

* Press **[SNOOZE / LIGHT]** - alarm stops and the backlight will turn on for 5 seconds with deleted, the repeat alarm indicator (z^z) flashing. The alarm sounds again after 4 minutes.

* If the alarm is not turned off, it will stop automatically after 4 minutes.

2nd Time Zone Display & setting

The HB 90 receives the time from the DCF 77 transmitter. This is the continental European time. If you are living in another time zone (e.g. UK), you may adjust an off-set to the received time.

* Press and hold "+" key for 3 seconds, the icon " 🅕 " will turn on.
* Press and hold **MODE** for 3 seconds in 2nd Time Zone / Temperature display.
  The 2nd Time Zone can be set as described above by pressing "+" or "−" key.
* Press **MODE** key again to confirm the setting of 2nd Time Zone.
* Press and hold "+" key for 3 seconds to choose between local and 2nd Time Zone display.

Setting the Dual Time

* The dual time can be set by pressing **MODE** for 3 seconds in Dual Time Display. The hour will flash for input.

* Press **MODE**: the hour of dual time display digits are blinking and can be set by pressing "+" or "−" key.

* Press **MODE** again: the minute of dual time display digits are blinking and can be set by pressing "+" or "−" key.

* Press **MODE** again to confirm the setting.

Light ON / OFF

* Press top button [**SNOOZE / LIGHT**] key - light will come on and turn off automatically after 5 seconds.

Projection Light and its adjustment

* Press button [**SNOOZE / LIGHT**] - Projection light will come on and turn off automatically after 5 seconds.
* When insert adapter and turn on the "Continue - Projection" button, projection light will turn on continuously until the button is switched off or the AC adapter is pulled off.

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IMPORTANT NOTICE:

The projection is only visible in dark rooms. It can not be made visible at daylight. The LED of the projection has a limited lifetime and can not be replaced. Should you make use of the permanent projection, we strongly recommend to switch it off during daytime or at times not needed. By doing this, you will have a much longer benefit of all the functions of the clock - including the projection!

Temperature function

Press [**WAVE °C/°F**] to select the temperature display between Celsius or Fahrenheit.

Receiving the DCF77 Time Code

The projection clock will automatically receive the DCF77 time code every hour.

Besides, you can force the clock to receive the signal by pressing [**WAVE °C/°F**] for 3 seconds, It will take 3-5 minutes to receive the radio signal. It the time signal is received, the [📶] icon will be on otherwise it will be off.

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